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OM protein - protein search, using sw model

Run on: June 3, 2003, 15:08:45 ; Search time 45 Seconds  
(without alignments)  
537.610 Million cell updates/sec

Title: US-09-887-784-4  
Perfect score: 1274  
Sequence: 1 MVSKEELFTGVVPIVLD.....VLLGFVTAAGITLGMDELYK 239

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5  
Searched: 383519 seqs, 10123694 residues  
Total number of hits satisfying chosen parameters: 383519

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_AA:  
1: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*  
8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*  
12: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep.\*  
13: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*  
14: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description       |
|------------|-------|-------------|--------|-------|-------------------|
| 1          | 1274  | 100.0       | 239    | 9     | US-09-887-784-4   |
| 2          | 1266  | 99.4        | 239    | 9     | US-09-887-784-2   |
| 3          | 1263  | 99.1        | 239    | 9     | US-09-999-745-4   |
| 4          | 1263  | 99.1        | 239    | 9     | US-09-866-538-4   |
| 5          | 1263  | 99.1        | 239    | 9     | US-09-797-496B-2  |
| 6          | 1263  | 99.1        | 239    | 9     | US-10-121-258-13  |
| 7          | 1263  | 99.1        | 239    | 9     | US-10-221-461-7   |
| 8          | 1263  | 99.1        | 239    | 9     | US-10-100-957A-46 |
| 9          | 1263  | 99.1        | 239    | 10    | US-09-920-922-2   |
| 10         | 1263  | 99.1        | 294    | 9     | US-10-100-957A-2  |
| 11         | 1263  | 99.1        | 308    | 9     | US-10-033-717-35  |
| 12         | 1263  | 99.1        | 359    | 9     | US-10-033-717-33  |
| 13         | 1263  | 99.1        | 359    | 9     | US-10-033-717-34  |
| 14         | 1263  | 99.1        | 379    | 9     | US-10-072-036-129 |
| 15         | 1263  | 99.1        | 391    | 9     | US-10-033-717-32  |
| 16         | 1263  | 99.1        | 397    | 9     | US-10-033-717-30  |
| 17         | 1263  | 99.1        | 403    | 9     | US-10-033-717-31  |
| 18         | 1263  | 99.1        | 429    | 9     | US-10-033-717-29  |
| 19         | 1263  | 99.1        | 442    | 9     | US-10-072-036-127 |

|    |      |      |     |   |                    |                   |
|----|------|------|-----|---|--------------------|-------------------|
| 20 | 1263 | 99.1 | 459 | 9 | US-10-100-957A-170 | Sequence 170, App |
| 21 | 1263 | 99.1 | 544 | 9 | US-10-072-036-113  | Sequence 113, App |
| 22 | 1263 | 99.1 | 544 | 9 | US-10-072-036-115  | Sequence 115, App |
| 23 | 1263 | 99.1 | 592 | 9 | US-10-221-461-12   | Sequence 12, Appl |
| 24 | 1263 | 99.1 | 604 | 9 | US-10-072-036-59   | Sequence 59, Appl |
| 25 | 1263 | 99.1 | 604 | 9 | US-10-221-461-11   | Sequence 11, Appl |
| 26 | 1263 | 99.1 | 604 | 9 | US-10-221-461-13   | Sequence 13, Appl |
| 27 | 1263 | 99.1 | 605 | 9 | US-10-072-036-41   | Sequence 41, Appl |
| 28 | 1263 | 99.1 | 606 | 9 | US-10-072-036-65   | Sequence 65, Appl |
| 29 | 1263 | 99.1 | 607 | 9 | US-10-072-036-47   | Sequence 47, Appl |
| 30 | 1263 | 99.1 | 630 | 9 | US-10-072-036-63   | Sequence 63, Appl |
| 31 | 1263 | 99.1 | 631 | 9 | US-10-072-036-39   | Sequence 39, Appl |
| 32 | 1263 | 99.1 | 633 | 9 | US-10-072-036-45   | Sequence 45, Appl |
| 33 | 1263 | 99.1 | 635 | 9 | US-10-072-036-125  | Sequence 125, App |
| 34 | 1263 | 99.1 | 642 | 9 | US-09-554-000-2    | Sequence 2, Appl  |
| 35 | 1263 | 99.1 | 642 | 9 | US-09-554-000-6    | Sequence 6, Appl  |
| 36 | 1263 | 99.1 | 652 | 9 | US-09-554-000-4    | Sequence 4, Appl  |
| 37 | 1263 | 99.1 | 673 | 9 | US-10-221-461-14   | Sequence 14, Appl |
| 38 | 1263 | 99.1 | 718 | 9 | US-10-072-036-75   | Sequence 75, Appl |
| 39 | 1263 | 99.1 | 719 | 9 | US-10-072-036-51   | Sequence 51, Appl |
| 40 | 1263 | 99.1 | 726 | 9 | US-10-072-036-71   | Sequence 71, Appl |
| 41 | 1263 | 99.1 | 727 | 9 | US-10-072-036-139  | Sequence 139, App |
| 42 | 1263 | 99.1 | 783 | 9 | US-10-100-957A-176 | Sequence 176, App |
| 43 | 1263 | 99.1 | 797 | 9 | US-10-072-036-141  | Sequence 141, App |
| 44 | 1263 | 99.1 | 797 | 9 | US-10-072-036-143  | Sequence 143, App |
| 45 | 1263 | 99.1 | 798 | 9 | US-10-072-036-77   | Sequence 77, Appl |

ALIGNMENTS

RESULT 1  
US-09-887-784-4  
; Sequence 4, Application US/09887784  
; Patent No. US20020177189A1  
; GENERAL INFORMATION:  
; APPLICANT: BJORN, Sara et al  
; TITLE OF INVENTION: NOVEL FLUORESCENT PROTEINS  
; FILE REFERENCE: 3759-0115P  
; CURRENT APPLICATION NUMBER: US/09/887,784  
; CURRENT FILING DATE: 2001-06-19  
; NUMBER OF SEQ ID NOS: 24  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 4  
; LENGTH: 239  
; TYPE: PRT  
; ORGANISM: Aquorua Victoria  
US-09-887-784-4

|                       |        |  |          |            |   |        |     |
|-----------------------|--------|--|----------|------------|---|--------|-----|
| Query Match           | 100.0% | Score  | 1274     | DB         | 9 | Length | 239 |
| Best Local Similarity | 100.0% | Pred. No.  | 4.8e-115 | Mismatches | 0 | Indels | 0   |
| Matches               | 239    | Conservative   | 0        | Mismatches | 0 | Gaps   | 0   |
| QY                    | 1      | MVSKGEELFTGVVPIVLDGDVNGHKFSVSGEGDATYGKLTFLKFCICTGKLPVPMPT  | 60       |            |   |        |     |
| DB                    | 1      | MVSKGEELFTGVVPIVLDGDVNGHKFSVSGEGDATYGKLTFLKFCICTGKLPVPMPT  | 60       |            |   |        |     |
| QY                    | 61     | LVTTLSYGVQCSRYPDHMKQHDFFKSAMPEGVQERTIFFKDDGNVKTAEVKEGDTL   | 120      |            |   |        |     |
| DB                    | 61     | LVTTLSYGVQCSRYPDHMKQHDFFKSAMPEGVQERTIFFKDDGNVKTAEVKEGDTL   | 120      |            |   |        |     |
| QY                    | 121    | VNRLEKIDFKEDGNILGHLENTYNSHNVIYIMADKQKNGIKVNFIRHNIEDGSVOLA  | 180      |            |   |        |     |
| DB                    | 121    | VNRLEKIDFKEDGNILGHLENTYNSHNVIYIMADKQKNGIKVNFIRHNIEDGSVOLA  | 180      |            |   |        |     |
| QY                    | 181    | DHYQONTPIGDGPVLLPDNHYLSTQSALSKDPKRDHMYLLGFTVTAAGITLGMDELYK | 239      |            |   |        |     |
| DB                    | 181    | DHYQONTPIGDGPVLLPDNHYLSTQSALSKDPKRDHMYLLGFTVTAAGITLGMDELYK | 239      |            |   |        |     |

RESULT 2  
US-09-887-784-2  
; Sequence 2, Application US/09887784

Query Match 99.1%; Score 1263; DB 9; Length 239;  
Best Local Similarity 99.2%; Pred. NO. 5.5e-114;  
Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

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RESULT 7
US-10-221-461-7
; Sequence 7, Application US/10221461
; Publication NO. US20030092902A1
; GENERAL INFORMATION:
; APPLICANT: Marsh, Donald J.
; TITLE OF INVENTION: MELANIN CONCENTRATING HORMONE RECEPTOR
; TITLE OF INVENTION: CHIMERIC AND FUSION PROTEINS
; FILE REFERENCE: 20652P

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|    | Query Match           | 99.1%   | Score 1263;         | DB 9;         | Length 239;       |
|----|-----------------------|---|---------------------|---------------|-------------------|
|    | Best Local Similarity | 99.2%;  | Pred. No. 5.5e-114; |               |                   |
|    | Matches 237;          | Conservative  | 1;                  | Mismatches 1; | Indels 0; Gaps 0; |
| Qy | 1                     | MYSGBELFTGVVPIILVELDGDYNGHKHFSVSGEGDATYGKTLKFCICTTGKLPVPWPT     | 60                  |               |                   |
| Db | 1                     | MYSGBELFTGVVPIILVELDGDYNGHKHFSVSGEGDATYGKTLKFCICTTGKLPVPWPT     | 60                  |               |                   |
| Qy | 61                    | LVTTLTGVGVQCFGRYPDHRMQRHDFFKSAMPEGYVQERTIEFFKDDGNTKTRAEVKFEGDTL | 120                 |               |                   |
| Db | 61                    | LVTTLTGVGVQCFGRYPDHRMQRHDFFKSAMPEGYVQERTIEFFKDDGNTKTRAEVKFEGDTL | 120                 |               |                   |
| Qy | 121                   | VNRIELKGIDFKEDGNILGHKLLEYNYNSHNVYIMADKQKNGIKVNFKIRINIEDGSVOLA   | 180                 |               |                   |
| Db | 121                   | VNRIELKGIDFKEDGNILGHKLLEYNYNSHNVYIMADKQKNGIKVNFKIRINIEDGSVOLA   | 180                 |               |                   |

QY 181 DHYQONTPIGDPVLLPDNHYLSTQSALSKDPNEKRDHMLLGFVTAAGITLGMDELYK 239  
Db 181 DHYQONTPIGDPVLLPDNHYLSTQSALSKDPNEKRDHMLLGFVTAAGITLGMDELYK 239

## RESULT 9

US-09-920-922-2  
; Sequence 2, Application US/09920922  
; Patent No. US20020083488A1  
; GENERAL INFORMATION:  
; APPLICANT: Miyawaki, Atsushi  
; APPLICANT: Sawano, Asako  
; TITLE OF INVENTION: METHOD FOR MUTAGENESIS  
; FILE REFERENCE: 11283-012001  
; CURRENT APPLICATION NUMBER: US/09/920,922  
; CURRENT FILING DATE: 2001-08-02  
; PRIOR APPLICATION NUMBER: JP 2000-237166  
; PRIOR FILING DATE: 2000-08-04  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 239  
; TYPE: PRT  
; ORGANISM: Aequorea victoria  
US-09-920-922-2

Query Match 99.1%; Score 1263; DB 10; Length 239;  
Best Local Similarity 99.2%; Pred. No. 5.5e-114;  
Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MVSKEELFTGVVPIVLVDGDNVNGHKFSVSGEGDATYGLTLKFKICTTGKLPVWPMT 60  
Db 1 MVSKEELFTGVVPIVLVDGDNVNGHKFSVSGEGDATYGLTLKFKICTTGKLPVWPMT 60  
QY 61 LVTTLSYGVQCFSRYPDHMKQHDFFKSAPEGYVQERTIFFKDDGNTKTRAEVKFEGDTL 120  
Db 61 LVTTLSYGVQCFSRYPDHMKQHDFFKSAPEGYVQERTIFFKDDGNTKTRAEVKFEGDTL 120  
QY 121 VNRIELKIDGDFKEDGNILGHKLEYNHSHNYIMADKQKNGIKVNFIRHNIEDGSVOLA 180  
Db 121 VNRIELKIDGDFKEDGNILGHKLEYNHSHNYIMADKQKNGIKVNFIRHNIEDGSVOLA 180  
QY 181 DHYQONTPIGDPVLLPDNHYLSTQSALSKDPNEKRDHMLLGFVTAAGITLGMDELYK 239  
Db 181 DHYQONTPIGDPVLLPDNHYLSTQSALSKDPNEKRDHMLLGFVTAAGITLGMDELYK 239

## RESULT 10

US-10-100-957A-2  
; Sequence 2, Application US/10100957A  
; Publication No. US20030096322A1  
; GENERAL INFORMATION:  
; APPLICANT: Gulliano, Kenneth A.  
; APPLICANT: Kapur, Ravi  
; TITLE OF INVENTION: A System for Cell Based Screening  
; FILE REFERENCE: 97-022-LIA  
; CURRENT APPLICATION NUMBER: US/10/100,957A  
; CURRENT FILING DATE: 2002-03-19  
; NUMBER OF SEQ ID NOS: 180  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 294  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:  
US-10-100-957A-2

Query Match 99.1%; Score 1263; DB 9; Length 294;  
Best Local Similarity 99.2%; Pred. No. 7.3e-114;  
Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MVSKEELFTGVVPIVLVDGDNVNGHKFSVSGEGDATYGLTLKFKICTTGKLPVWPMT 60  
Db 1 MVSKEELFTGVVPIVLVDGDNVNGHKFSVSGEGDATYGLTLKFKICTTGKLPVWPMT 60  
QY 61 LVTTLSYGVQCFSRYPDHMKQHDFFKSAPEGYVQERTIFFKDDGNTKTRAEVKFEGDTL 120  
Db 61 LVTTLSYGVQCFSRYPDHMKQHDFFKSAPEGYVQERTIFFKDDGNTKTRAEVKFEGDTL 120  
QY 121 VNRIELKIDGDFKEDGNILGHKLEYNHSHNYIMADKQKNGIKVNFIRHNIEDGSVOLA 180  
Db 121 VNRIELKIDGDFKEDGNILGHKLEYNHSHNYIMADKQKNGIKVNFIRHNIEDGSVOLA 180  
QY 181 DHYQONTPIGDPVLLPDNHYLSTQSALSKDPNEKRDHMLLGFVTAAGITLGMDELYK 239  
Db 181 DHYQONTPIGDPVLLPDNHYLSTQSALSKDPNEKRDHMLLGFVTAAGITLGMDELYK 239

## RESULT 11

US-10-033-717-35  
; Sequence 35, Application US/10033717  
; Publication No. US20030078406A1  
; GENERAL INFORMATION:  
; APPLICANT: BLAIR, DONALD  
; APPLICANT: CLAUSEN, PETER  
; APPLICANT: TOPOL, LILIA  
; APPLICANT: MARX, MARIA  
; APPLICANT: CALOTHY, GEORGES  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DRM, A SECRETED PROTEIN  
; FILE REFERENCE: 14014.0358  
; CURRENT APPLICATION NUMBER: US/10/033,717  
; CURRENT FILING DATE: 2001-12-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/444,066  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-11-19  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/277,407  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-26  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/079,440  
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-03-26  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 35  
; LENGTH: 308  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:  
US-10-033-717-35

Query Match 99.1%; Score 1263; DB 9; Length 308;  
Best Local Similarity 99.2%; Pred. No. 7.8e-114;  
Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MVSKEELFTGVVPIVLVDGDNVNGHKFSVSGEGDATYGLTLKFKICTTGKLPVWPMT 60  
Db 1 MVSKEELFTGVVPIVLVDGDNVNGHKFSVSGEGDATYGLTLKFKICTTGKLPVWPMT 60  
QY 61 LVTTLSYGVQCFSRYPDHMKQHDFFKSAPEGYVQERTIFFKDDGNTKTRAEVKFEGDTL 120  
Db 61 LVTTLSYGVQCFSRYPDHMKQHDFFKSAPEGYVQERTIFFKDDGNTKTRAEVKFEGDTL 120  
QY 121 VNRIELKIDGDFKEDGNILGHKLEYNHSHNYIMADKQKNGIKVNFIRHNIEDGSVOLA 180  
Db 121 VNRIELKIDGDFKEDGNILGHKLEYNHSHNYIMADKQKNGIKVNFIRHNIEDGSVOLA 180  
QY 181 DHYQONTPIGDPVLLPDNHYLSTQSALSKDPNEKRDHMLLGFVTAAGITLGMDELYK 239  
Db 181 DHYQONTPIGDPVLLPDNHYLSTQSALSKDPNEKRDHMLLGFVTAAGITLGMDELYK 239

## RESULT 12

US-10-033-717-33

Sequence 33, Application US/10033717  
Publication No. US20030078406A1  
GENERAL INFORMATION:  
APPLICANT: BLAIR, DONALD  
APPLICANT: CLAUSEN, PETER  
APPLICANT: TOPOL, LILIA  
APPLICANT: MARX, MARIA  
APPLICANT: CALOTHY, GEORGES  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DRM, A SECRETED PROTEIN  
FILE REFERENCE: 14014.0358  
CURRENT FILING DATE: 2001-12-27  
CURRENT APPLICATION NUMBER: US/10/033,717  
PRIOR FILING DATE: EARLIER FILING DATE: 1999-11-19  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/444,066  
PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-26  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/079,440  
NUMBER OF SEQ ID NOS: 38  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 33  
LENGTH: 359  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: /No. US20030078406A1e -  
OTHER INFORMATION: synthetic construct  
US-10-033-717-33

Query Match 99.1%; Score 1263; DB 9; Length 359;  
Best Local Similarity 99.2%; Pred. No. 9.5e-114;  
Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
QY 1 MVSKEELFTGVVPIVLVDGDNVNGHKFSVSGEGDATYKGLTKLKFICTTGKLPVWPWT 60  
DB 1 MVSKEELFTGVVPIVLVDGDNVNGHKFSVSGEGDATYKGLTKLKFICTTGKLPVWPWT 60  
QY 61 LVTTLSYGVQCFSRYPDHMKQHDFFKFSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTL 120  
DB 61 LVTTLSYGVQCFSRYPDHMKQHDFFKFSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTL 120  
QY 121 VNRIELKIDFKEDGNILGHKLEYNYNHSHVYIMADKQNGIKVNFKIRHNIEDGSVQLA 180  
DB 121 VNRIELKIDFKEDGNILGHKLEYNYNHSHVYIMADKQNGIKVNFKIRHNIEDGSVQLA 180  
QY 181 DHYQONTPIGDGPVLLPDNHYLSTQSALSKDPNEKRDHMLGFTVTAAGITLGMDELYK 239  
DB 181 DHYQONTPIGDGPVLLPDNHYLSTQSALSKDPNEKRDHMLGFTVTAAGITLGMDELYK 239

## RESULT 13

US-10-033-717-34  
Sequence 34, Application US/10033717  
Publication No. US20030078406A1  
GENERAL INFORMATION:  
APPLICANT: BLAIR, DONALD  
APPLICANT: CLAUSEN, PETER  
APPLICANT: TOPOL, LILIA  
APPLICANT: MARX, MARIA  
APPLICANT: CALOTHY, GEORGES  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DRM, A SECRETED PROTEIN  
FILE REFERENCE: 14014.0358  
CURRENT FILING DATE: 2001-12-27  
CURRENT APPLICATION NUMBER: US/10/033,717  
PRIOR FILING DATE: EARLIER APPLICATION NUMBER: 09/444,066  
PRIOR FILING DATE: EARLIER FILING DATE: 1999-11-19  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/277,407  
PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-26  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/079,440  
NUMBER OF SEQ ID NOS: 38

SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 34  
LENGTH: 359  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: /No. US20030078406A1e -  
OTHER INFORMATION: synthetic construct  
US-10-033-717-34

Query Match 99.1%; Score 1263; DB 9; Length 359;  
Best Local Similarity 99.2%; Pred. No. 9.5e-114;  
Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
QY 1 MVSKEELFTGVVPIVLVDGDNVNGHKFSVSGEGDATYKGLTKLKFICTTGKLPVWPWT 60  
DB 1 MVSKEELFTGVVPIVLVDGDNVNGHKFSVSGEGDATYKGLTKLKFICTTGKLPVWPWT 60  
QY 61 LVTTLSYGVQCFSRYPDHMKQHDFFKFSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTL 120  
DB 61 LVTTLSYGVQCFSRYPDHMKQHDFFKFSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTL 120  
QY 121 VNRIELKIDFKEDGNILGHKLEYNYNHSHVYIMADKQNGIKVNFKIRHNIEDGSVQLA 180  
DB 121 VNRIELKIDFKEDGNILGHKLEYNYNHSHVYIMADKQNGIKVNFKIRHNIEDGSVQLA 180  
QY 181 DHYQONTPIGDGPVLLPDNHYLSTQSALSKDPNEKRDHMLGFTVTAAGITLGMDELYK 239  
DB 181 DHYQONTPIGDGPVLLPDNHYLSTQSALSKDPNEKRDHMLGFTVTAAGITLGMDELYK 239

## RESULT 14

US-10-072-036-129  
Sequence 129, Application US/10072036  
Publication No. US20030082564A1  
GENERAL INFORMATION:  
APPLICANT: Ole THASTREP  
APPLICANT: Sara BJRON  
APPLICANT: Soren TULLIN  
APPLICANT: Kasper ALMHOLT  
APPLICANT: Kurt SCUDDER  
TITLE OF INVENTION: A Method For Extracting Quantitative Information Relating To  
FILE REFERENCE: 3759-0120P  
CURRENT APPLICATION NUMBER: US/10/072,036  
PRIOR FILING DATE: 2002-09-13  
PRIOR APPLICATION NUMBER: 09/417,197  
NUMBER OF SEQ ID NOS: 143  
SOFTWARE: Patent in version 3.0  
SEQ ID NO 129  
LENGTH: 379  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: actin-binding-domain-EGFP fusion  
US-10-072-036-129

Query Match 99.1%; Score 1263; DB 9; Length 379;  
Best Local Similarity 99.2%; Pred. No. 1e-113;  
Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
QY 1 MVSKEELFTGVVPIVLVDGDNVNGHKFSVSGEGDATYKGLTKLKFICTTGKLPVWPWT 60  
DB 141 MVSKEELFTGVVPIVLVDGDNVNGHKFSVSGEGDATYKGLTKLKFICTTGKLPVWPWT 200  
QY 61 LVTTLSYGVQCFSRYPDHMKQHDFFKFSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTL 120  
DB 201 LVTTLSYGVQCFSRYPDHMKQHDFFKFSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTL 260  
QY 121 VNRIELKIDFKEDGNILGHKLEYNYNHSHVYIMADKQNGIKVNFKIRHNIEDGSVQLA 180  
DB 261 VNRIELKIDFKEDGNILGHKLEYNYNHSHVYIMADKQNGIKVNFKIRHNIEDGSVQLA 320

QY 181 DHYQONTPIGDPVLLPDNHYLSTQSALS KDPNEKRDMVLLGFTVTAAGITLGMDELYK 239  
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
321 DHYQONTPIGDPVLLPDNHYLSTQSALS KDPNEKRDMVLLGFTVTAAGITLGMDELYK 379

## RESULT 15

US-10-033-717-32  
; Sequence 32, Application US/10033717  
; Publication No. US20030078406A1  
; GENERAL INFORMATION:  
; APPLICANT: BLAIR, DONALD  
; APPLICANT: CLAUSEN, PETER  
; APPLICANT: TOPOL, LILIA  
; APPLICANT: MARX, MARIA  
; APPLICANT: CALOTHY, GEORGES  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DRM. A SECRETED PROTEIN  
; TITLE OF INVENTION: WITH CELL GROWTH INHIBITING ACTIVITY  
; FILE REFERENCE: 14014.0358  
; CURRENT APPLICATION NUMBER: US/10/033,717  
; CURRENT FILING DATE: 2001-12-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/444,066  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-11-19  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/277,407  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-26  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/079,440  
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-03-26  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 32  
; LENGTH: 391  
; TYPE: PPT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence./No. US20030078406A1e -  
; OTHER INFORMATION: synthetic construct  
US-10-033-717-32

Query Match 99.1%; Score 1263; DB 9; Length 391;  
Best Local Similarity 99.2%; Pred. No. 1.1e-113;  
Matches 237; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
QY 1 MYSKGEELFTGVVPILVELDGVNKGHSVSGEGDATYCKLTKEICTGKLPVPWPT 60  
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
1 MYSKGEELFTGVVPILVELDGVNKGHSVSGEGDATYCKLTKEICTGKLPVPWPT 60  
QY 61 LVTTLTYGVQCFSRYPDHMKQHDFFKSAPEGVYQERTIFFKDDGNYKTRAEVKFEGDTL 120  
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
61 LVTTLTYGVQCFSRYPDHMKQHDFFKSAPEGVYQERTIFFKDDGNYKTRAEVKFEGDTL 120  
QY 121 VNRIELKGTDFKEDGNILGHKLEYNYSNHYIMADKQKNGIKVNFIRHNIEDGSVOLA 180  
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
121 VNRIELKGTDFKEDGNILGHKLEYNYSNHYIMADKQKNGIKVNFIRHNIEDGSVOLA 180  
QY 181 DHYQONTPIGDPVLLPDNHYLSTQSALS KDPNEKRDMVLLGFTVTAAGITLGMDELYK 239  
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
181 DHYQONTPIGDPVLLPDNHYLSTQSALS KDPNEKRDMVLLGFTVTAAGITLGMDELYK 239

Search completed: June 3, 2003, 15:17:10  
Job time : 46 secs